

IN THE SPECIFICATION:

On page 1 of the English language translation of the specification, please add the following heading before the first full paragraph of the specification as well as amend the same first full paragraph to appear as follows:

Steering Wheel With Electric Heating Means

Technical Field

The invention relates to a steering wheel with electric heating, in particular to an electrically heatable steering wheel for a motor vehicle[[, according to the generic clause of the independent claim]].

On page 1 of the English language translation of the specification, please add the following heading before the second full paragraph of the specification to appear as follows:

Background

Steering wheels with built-in heating devices are known. Such electrically operated heating devices may be provided for reasons of comfort and/or safety. Ordinarily, for heating a steering wheel, a heating conductor is arranged under a steering wheel covering or integrated in a synthetic material foamed around the steering wheel. A steering wheel rim may for example be wound with a heating conductor or enveloped in a conductive textile tube. A linear or meandering placement of a strand along the circumference of the steering wheel is also possible and known.

On page 2 of the English language translation of the specification, please add the following heading before the fourth full paragraph of the specification to appear as follows:

Summary Of The Invention

One object of the present invention consists in making available a steering wheel having a universal heating device, easily attached and adapted to various steering wheel sizes.

On page 8 of the English language translation of the specification, please add the following heading before the first full paragraph of the specification to appear as follows:

Brief Description Of The Drawings

The invention will now be illustrated in more detail in terms of embodiments with reference to the accompanying figures. In the figures,

On page 82 of the English language translation of the specification, please add the following heading before the fourth full paragraph of the specification to appear as follows:

Detailed Description

Fig. 1 shows a schematic top view of a steering wheel 2 of a motor vehicle. The steering wheel 2 comprises a steering wheel hub 22, fastened by way of at least one steering wheel spoke 23 to an essentially round steering wheel rim 21. In the embodiment shown, four spokes 23 are provided to connect the rim 21 to the hub 22. The spokes 23 and the rim 21 typically exhibit a geometrically stable core (not shown) of metal or a composite fiber material, surrounded by a shock-absorbing foam envelope 24 or padding. This padding or shock-absorbing foam envelope 24 may, for steering wheels 2 of simple construction, be made in one piece, in which case the outer boundary layer is

at the same time the grip layer. More grip-friendly versions comprise an outer grip surface 27 of natural leather, applied to the padding or foaming 24 and for example sewn.

On page 3 of the English language translation of the specification, please amend the second full paragraph of the specification to appear as follows:

The flat metal (10) is rolled in the rolling device (1) by at least two parallel rolls (2, 3) arranged parallel to each other, to the adjusted thickness. The axes of rotation (4) of the rolls lie in a plane; the rolls themselves are arranged horizontally. Thus, the axes of rotation lie in a plane substantially perpendicular to the direction of gravity (7). Thus, the metal strip is rolled substantially parallel to the direction of gravity (7), between the two rolls (2, 3).

On page 9 of the English language translation of the specification, please amend the second full paragraph of the specification to appear as follows:

Fig. 2 shows a schematic representation of a heating element 4 intended for installation in the steering wheel, in the embodiment shown by way of example comprising parallel connecting segments 48 between apical segments 45. The meandering contour of the heating element could also comprise a rectangular, saw-tooth or triangular profile. The apical segments 45 each comprise an inner radius 47 and an outer radius 48, improving the flow of current and the mechanical stability. To avoid so-called current sinks, the width is enlarged at the apical segments 45. Alternatively or additionally, the conductor pads on the apical segments may exhibit a greater thickness of material.